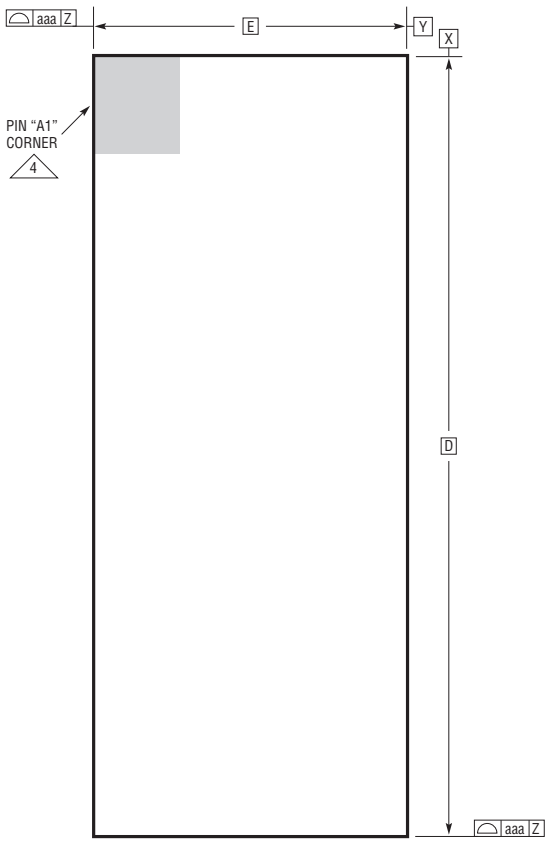
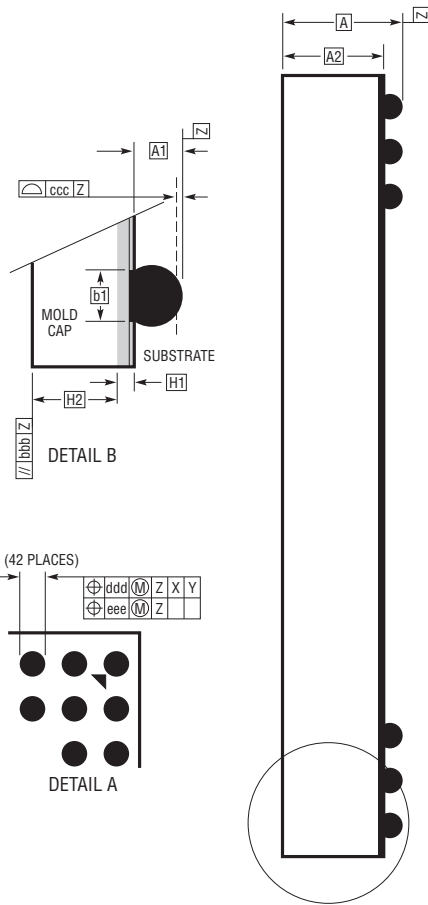


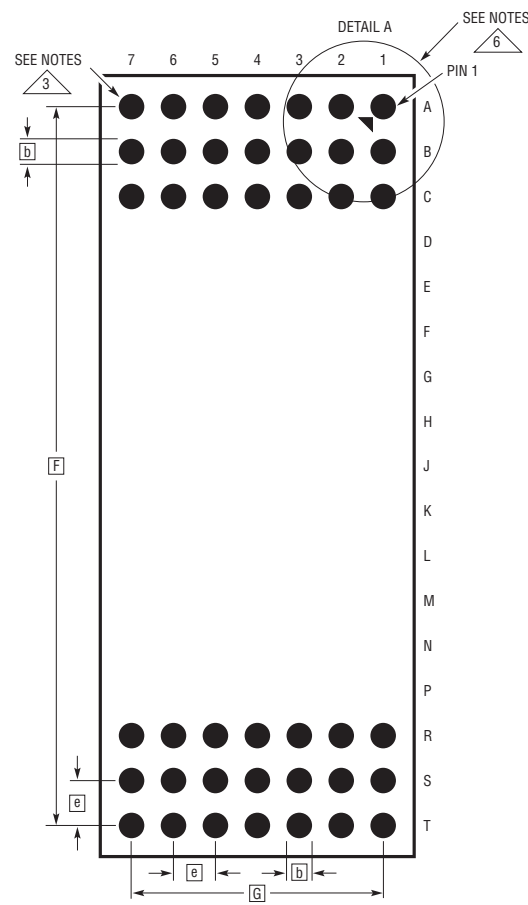
BGA Package
42-Lead (22mm × 9mm × 5.16mm)
 (Reference LTC DWG# 05-08-1960 Rev B)



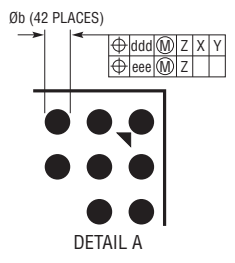
PACKAGE TOP VIEW



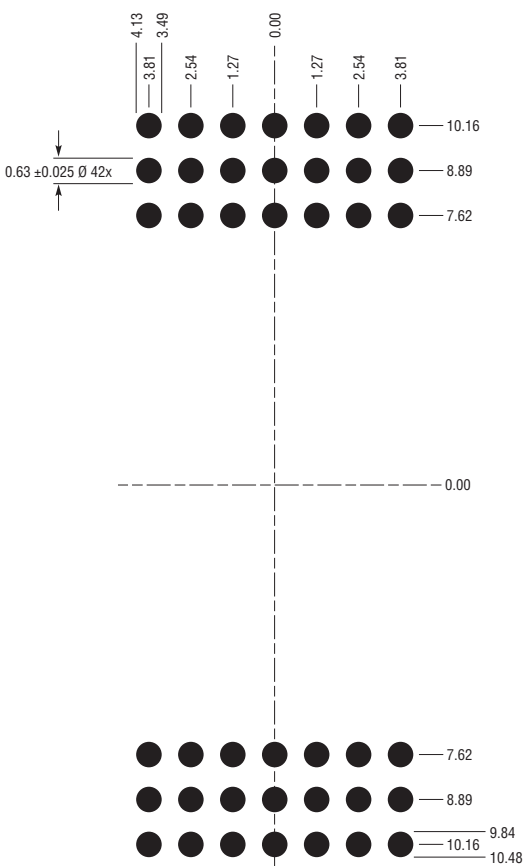
DETAIL B
PACKAGE SIDE VIEW



PACKAGE BOTTOM VIEW



DETAIL A

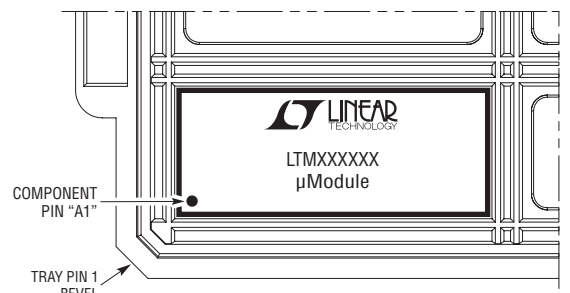


SUGGESTED PCB LAYOUT
TOP VIEW

DIMENSIONS				
SYMBOL	MIN	NOM	MAX	NOTES
A	4.91	5.16	5.41	
A1	0.50	0.60	0.70	BALL HT
A2	4.41	4.56	4.71	
b	0.60	0.75	0.90	BALL DIMENSION
b1	0.60	0.63	0.66	PAD DIMENSION
D		22.0		
E		9.0		
e		1.27		
F		20.32		
G		7.62		
H1	0.46	0.56	0.66	SUBSTRATE THK
H2	3.95	4.00	4.05	MOLD CAP HT
aaa			0.15	
bbb			0.10	
ccc			0.15	
ddd			0.15	
eee			0.08	

TOTAL NUMBER OF BALLS: 42

- NOTES:
1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
 2. ALL DIMENSIONS ARE IN MILLIMETERS
 - 3 BALL DESIGNATION PER JESD MS-028 AND JEP95
 - 4 DETAILS OF PIN #1 IDENTIFIER ARE OPTIONAL, BUT MUST BE LOCATED WITHIN THE ZONE INDICATED. THE PIN #1 IDENTIFIER MAY BE EITHER A MOLD OR MARKED FEATURE
 5. PRIMARY DATUM -Z- IS SEATING PLANE
 - 6 PACKAGE ROW AND COLUMN LABELING MAY VARY AMONG μModule PRODUCTS. REVIEW EACH PACKAGE LAYOUT CAREFULLY



PACKAGE IN TRAY LOADING ORIENTATION